IP NETWORK MEGA PIXEL CAMERA SERIES

FEATURES

- > True Mechanical Day/Night(ICR)
- > 4.3 mm Board Lens
- > 1/3" Micron Progressive Scan CCD
- > Full OSD Control of Major Functions
- > Includes Advanced NVR Software Suite
- > Two-Way Audio
- > Power over Ethernet (IEEE 802.3af)
- > DC12V Operation
- > Compatible with Major 3rd Party Software Suites
- > Weatherproof (IP66)

PRODUCTS

> IP - B9800MXA

- 4.2mm Mega Pixel Lens
- Cable Managed Bracket

> IP - D7600MXA

- 3 Axis Bracket
- 4.2mm Mega Pixel Lens

SPECIFICATION - [CAMERA]

Image Sensor	1/3" Micron Progressive Scan CCD
Effective Pixels	1280 x 1024
Electric Shutter	1/10 ~ 1/2,000sec (60Hz)
	1/10 ~ 1/2,000sec (50Hz)
Lens	F 4.3mm, f1.8 / 75Deg(Horizontal)
Min. scene Illumination	0.5 Lux at F1.8 (30 IRE, MAX AGC)
Synchronization	Internal
S/N Ratio	Better than 44 dB
Flickerless	1/120 sec(60Hz), 1/100 sec(50Hz)
Day/Night	Mechanical IR Cut Filter
White Balance	6Mode(AUTO,INDOOR1/2,OUTDOOR1/2,
	HOLD CURRENT,MANUAL) Configurable
AGC	Automatic (User defended)
BLC	YES
Motion Detection	Yes (3 Windows)
Power Source	DC12V (300mA)
	PoE (IEEE802.3af) with Class 3
Operational Temperature	-10deg ~ +50deg (- 14 ˚F ~122 ˚F)
Operational Humidity	30% ~90% RH

SPECIFICATION - [NETWORK]

Video Compression	Compression	MPEG-4 SP
	Resolution	SXGA (1280x1024) at 8 fps
		HD720 (1280x720) at 10fps
		VGA (640x480) at 30 fps
	Image Frame Rate	Up to 8 fps at SXGA resolution;
Audio Input		Up to 10 fps at HD720 resolution;
		Up to 30 fps at VGA resolution
Audio Output	Compression	8kHz, Mono, PCM
	Audio Line Input	Unbalanced, 1.4 Vp-p 1Vrms, terminal Block
External I/O	Compression	8kHz, Mono, PCM
Alarm(SIPMPT Only)	Audio Line Output	Unbalanced, 1.4 Vp-p 1Vrms, terminal Block
	Reset Button	Factory default
Network	Digital Input	1, terminal bloc
	Transistor Output	1, terminal block
Software	Ethernet	Ethernet(10/100 Base-T),RJ-45 connector
	Protocol	TCP, UDP ,IP, HTTP, DHCP, PPPoE, RTP,
		RTSP, FTP, SMTP, DNS, DDNS, NTP, ICMP,
		IGMP, ARP, #GPP
	Web Browser	MS Internet Explorer 6.0 or above
	Security	Password protection: configured by the administrator

IP NETWORK CAMERA SERIES

PRODUCTS

> IP - B9811SRA

- DC 2.8 ~ 11mm
- Cable Managed Bracket
- External Focus & Zoom Controller

> IP - B9815SRA

- DC 5 ~ 50mm
- Cable Managed Bracket
- External Focus & Zoom Controller

> IP - D7600SRA

- 3 Axis Bracket
- DC 2.8 ~ 11mm

> IP - D5500SRA

- DC 5 ~ 50mm
- 3 Axis Bracket

> IP - 8777A

- 10X Optical Zoom
- Speed Dome Camera

> IP - C4000SRA

- C/CS Mount Lens

FEATURES

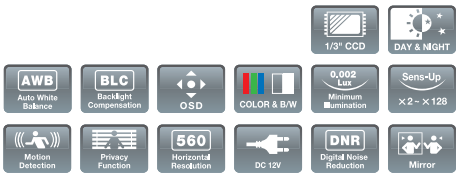
- > 540TVL High Resolution
- > 1/3" Sony Super-HAD CCD
- > High sensitivity 0.002Lux
- > Full OSD Control of Major Functions
- > Includes Advanced NVR Software Suite
- > DNR (Dynamic Noise Reduction) & Sens-up
- > MPEG-4 compensation
- > QCIF up to Full D1 resolution at 30 FPS
- > Two-Way Audio
- > Power over Ethernet (IEEE 802.3af) & DC12V Operation
- > Compatible with Major 3rd Party Software Suites
- > Weatherproof (IP66)
- > Option - True Mechanical Day/Night(ICR)

APRO MEDIA CO., LTD. **Apro Media Co., Ltd.**

#13-5, Dodang-dong, Wonmi-gu, Bucheon-Si, Kyunggi-do, KOREA
TEL : +82-32-682-2690 FAX : +82-32-677-2690
www.aprocctv.com E-mail : sales@aprocctv.com

IP CAMERA

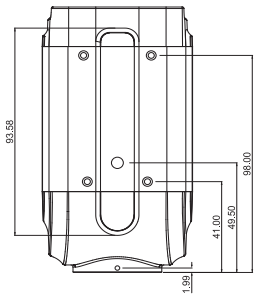
IPB-58 IPB-58P(PoE)

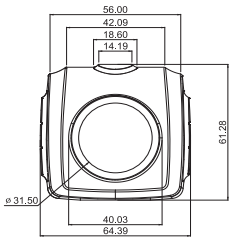


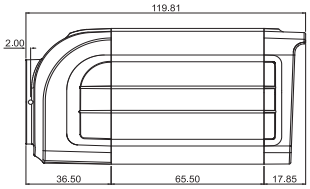
FEATURES

- 1/3" Sony Super HAD CCD used
- Day and Night Function
- 560 TV Line Resolution
- 0.3 Lux at F1.2 (50 IRE, AGC HIGH, DNR HIGH) / 0.002 Lux (Sens-up x128)
- Controlled by OSD Menu
- SDNR (Super Digital Noise Reduction)
- DC iris control or Electronic Shutter Control (ESC)
- Privacy Function
- Motion Detection
- High quality H.264 Algorithm
- Full-duplex audio / video transmission
- 30fps / 25fps @ full D1 resolution
- 1:N Multi-casting and relayed data transmission
- Real time monitoring / recording / playback through CMS
- Viewer S/W and Internet Explorer
- De-Interlaced Video at 30fps
- Dynamic IP support with Dynamic DNS

DIMENSIONS







SPECIFICATIONS

Model	58 Model
Resolution	560 TV Lines
Sensor	1/3 inch SONY Super HAD CCD
Total Pixels	811(H) x 508(V) 410K pixels (NTSC) 795(H) x 595(V) 470K pixels (PAL)
Effective Pixels	768(H) x 494(V) 380K pixels (NTSC) 752(H) x 582(V) 440K pixels (PAL)
Scanning System	2:1 Interlace
Synchronization	Internal / Line Lock
Frequency	Horizontal : 15.734KHz / Vertical : 59.94Hz (NTSC) Horizontal : 15.625KHz / Vertical : 50.00Hz (PAL)
S/N (Y signal)	More than 50 dB (AGC off, Weight ON)
Video Output	CVBS : 1.0Vp-p / 75ohm
Min. Illumination	0.3Lux at F1.2 (50IRE, AGC HIGH, DNR HIGH) 0.002Lux (Sens-up x128)
White Balance	ATW / AWC / Manual / Outdoor (1,800'K ~ 10,500'K)
Electronic shutter Speed	Auto / Manual (x128 ~ 1/60 sec ~ 1/120,000 sec NTSC) (x128 ~ 1/50 sec ~ 1/120,000 sec PAL) Sens-up and sens-up limit is selectable / Flickerless
O.S.D	Built-in
Backlight Compensation	Low, Middle, High, Off Selectable
Gain Control	Low, Middle, High, Off Selectable
SDNR (Super Digital Noise Reduction)	Low, Middle, High, Off Selectable
Day & Night	Auto / On
SYNC	INT / LL Selectable
Motion Detection	ON / OFF (4 Zone)
PRIVACY	ON / OFF (4 Zone)
MIRROR	ON / OFF
Operating Temperature / Humidity	-10℃ ~ +50℃ / 30% ~ 80% RH
Storage Temperature / Humidity	-20℃ ~ +60℃ / 20% ~ 90% RH

Option

Model	IPB-58	IPB-58P
POWER	DC 12V	DC 12V supported PoE

XNET IP Network Products

Hybrid IP Box Camera
IGP1030

Features
- 1/2" Progressive CMOS Sensor
- Max. 1280(H)x1024(V), 1.3 Mega-Pixel
- MJPEG/MPEG4/H.264 Multi Stream
- Support Two-way Audio (ADPCM)
- Support Local Storage by SD Memory Card
- Ethernet 10/100 Base-T (Support PoE)
- Including Active X
- Support FTP, SMTP Transfer
- Hybird for CCTV System

IP Dome Camera
IDP2000VD

Features
- 1/4" Progressive CCD Sensor
- DC Iris Varifocal Lens (4~9mm)
- 3-Axis Movement for Free Lens Rotation
- Dual Stream MJPEG/MPEG4 (or H.264) Resolution VGA up to 30fps
- Support Two-way Audio (ADPCM)
- Ethernet 10/100 Base-T (Support PoE)
- Support Local Storage
- Including Active X
- Support FTP, SMTP Transfer
- Hybird for CCTV System

1CH Network Video Server
INS2000

Features
- 1CH Input BNC Type Composite
- Video Signal Auto Detect (NTSC/PAL)
- 1CH Video Loop-Back (BNC Type)
- Built-in System/Network Status LED
- Dual Stream MJPEG/MPEG4 (or H.264) Resolution D1 Size up to 30fps
- Support Two-way Audio (ADPCM)
- Supprot Local Storage by SD Memory Card
- Ethernet 10/100 Base-T (Support PoE)
- Including Active X
- Support FTP, SMTP Transfer
- Hybird for CCTV System

1CH Network Video Server
IJB2000

Features
- Weatherproof Junction Box
- Video Signal Auto Detect (NTSC/PAL)
- Built-in System/Network Status LED
- Dual Stream MJPEG/MPEG4 (or H.264) Resolution D1 Size up to 30fps
- Support Two-way Audio (ADPCM)
- Ethernet 10/100 Base-T (Support PoE)

Application
CNB Technology

Web Viewer

Features

Powerful Network Suveillance Mornitoring
- Hybrid Type for Composite Video Output
  : Select NTSC/PAL 1.0Vp-p BNC 75Ω
- 1.3 Mega-Pixel Resolution up to 27fps
- Support Two-way Real-time talking
- Non-Connection & Event for Local Stroage

CMS

Features

Dynamic Network Surveillance Application
- Plug and play with wizard installer
- Auto system configuration and easily user wetup by XNET applications
  - Simple install for network and systems setup
  - Simultaneously systems setup
  - Support UPnP

CNB TECHNOLOGY Inc. **CNB Technology Inc.**
7F., StarValley Bldg, 60-11, Gasan-Dong, Geumcheon-Gu, Seoul, Korea
TEL : +82-2-2109-1419 FAX : +82-2-2109-1414
www.cnbtec.com E-mail : korea@cnbtec.com

LEADING HIGHER SECURITY SOLUTIONS

"We are always focused on your needs and satisfaction"

CAMTRON Camtron Industrial Inc.
5F, Kuem-Ah B/D, 31-3, Karak-dong, Songpa-gu, Seoul, 138-801, Korea
TEL : +82-2-402-5083 FAX : +82-2-402-5391
www.camtron.co.kr E-mail : camtron@camtron.co.kr

New

CMNC-200

- HD H.264 Megapixel Camera
- 2.0 Megapixel 1/2.5 CMOS Image sensor
- Full HD 1920 x 1080 (30fps)
- Dual streaming for H.264 and JPEG
- Optical 10x zoom with Auto-focusing
- HDMI interface, SD card storage
- Sensor & Alarm / RS485 / Audio in / out
- Support PoE

CTDC-5241

- Ultra Low Light Camera
- 1/2" Ex-view CCD Camera
- 540TVL(Color)
- OSD & DNR
- Low Ill. 0.08lux/ F1.2(Color) 0.001/ F1.2(Sense-up)
- Clear image with ICR Day & Night
- Eclipse / Mirror / Flip / Rotate / Digital P/T/Z
- Blemish Auto Compensation

IP (H.264 Compression)

CTNC-5358DH

- NTSC 720x480 (30fps)
  PAL 720x576 (25fps)
- Supports Private, Dynamic, Global, Static IP
- ICR Day & Night
- DNR & Motion detection
- Alarm / Relay / Audio
- Support PoE
- Support 36CH Viewer

CTND-5357

- NTSC 720x480 (30fps)
  PAL 720x576 (25fps)
- Supports Private, Dynamic, Global, Static IP
- ICR Day & Night
- DNR & Motion detection
- Alarm / Relay / Audio
- Support PoE / IR LED
- Support 36CH Viewer
- Support USB memory

VRND-5355

- NTSC 720x480 (30fps)
  PAL 720x576 (25fps)
- Supports Private, Dynamic, Global, Static IP
- ICR Day & Night
- DNR, WDR & Motion detection
- Support PoE / IR LED
- Support 36CH Viewer
- Support USB memory

CTNB-5357IR

- NTSC 720x480 (30fps)
  PAL 720x576 (25fps)
- Supports Private, Dynamic, Global, Static IP
- ICR Day & Night
- DNR & Motion detection
- Support IR LED
- Support 36CH Viewer

CTNS-331

- NTSC 720x480 (30fps)
  PAL 720x576 (25fps)
- Supports Private, Dynamic, Global, Static IP
- x30 Optical & x8 Digital
- DNR, WDR & Motion detection
- x10, x23 & x30 available
- Support 36CH Viewer
- Accessories Support

Network Camera Series

MPEG-4/JPEG, Max 30fps@720X480(NTSC), 25fps@720X576(PAL)

I-410
Low Cost Model

1/3" Sony CCD
420TVL
Lens : 4mm F2.0
Power : DC 12V

I-410R

1/3" Sony CCD
420TVL
Lens : 4mm F2.0
12IR LED
Power : DC 12V

I-4001

1/3" Sony CCD
420TVL
Lens : 4mm F2.0
Power : DC 12V
3 Axis Bracket

I-4001R

1/3" Sony CCD
420TVL, 12IR LED
Lens : 4mm F2.0
Power : DC 12V
3 Axis Bracket

I-6002

1/3" Sony super HAD
420TVL
0.1Lux at F 2.0 0.00Lux
4 - 9mm Auto Iris
54 units 850nm IR LEDs
Power: DC 12V

I-8100

1/3 Sony Super HAD, 560TVL
0.0001LUX(Sens Up)
Digital Noise Reduction
Digital Slow Scan, C/CS Mount
OSD(Privacy, BLC etc)
Power: DC 12V(Option AC24V)

I-6100

1/3 Sony Super HAD, 560TV
0.0001LUX(Sens Up)
Digital Noise Reduction
40 IR LED PCS, 45M Range, IP66
True Day&Night(IR Cut Filter)
Auto Iris Lens(2.8-10/6-50mm)
OSD(Privacy, BLC etc)
Power: DC 12V(Option AC24V)

I-7100

1/3 Sony Super HAD, 560TVL
0.0001LUX(Sens Up), 3 Axis
Digital Noise Reduction
True Day&Night(IR Cut Filter)
Auto Iris Lens (2.8-10/6-50mm)
Power: DC 12V(Option AC24V)
OSD(Privacy, BLC etc)

I-6000

1/3" Sony super HAD, 540TVL
0.1Lux at F 2.0 0.0000Lux
Lens : 4 - 9mm DC Auto Iris Type
90 units 850nm IR LEDs
OSD Control (Lens, AGC, BLC etc.)

I-600

1/3" Sony Color Exview HAD CCD,
Color 480TVL, B/W 520 TVL
True Day & Night (Exchange filters)
40 pieces of IR LED/50m
Vari-focal Auto Iris
MPEG-4 Dual Streaming

I-447

PoE

1/3" SONY SUPER HAD CCD
540TVL
Varifocal 2.8 ~ 11 mm Auto IRIS
0.003 Lux / F1.4 -Sens-upX128
3 Axis Bracket
MPEG-4 Dual Streaming
Power : PoE

I-541
Speed Dome

1/4" Sony Super HAD CCD, 540 TVL, Auto focus 300xZoom (30xOptical/10xDigital)
Pan 360° / Tilt 92°, DSS, 0.0007Lux, Day & Night (Open shutter, IR cut filter)
SSNR (Noise Reduction at Low Light), Backlight compensation
250 preset positions, 16 privacy zones, Built-in a fan and a heater
IP66 Built-in OSD
MPEG-4 Dual Streaming

IP Camera

iCanView222(W)

MPEG-4 Fixed Dome IP Camera

- Superior Video Compression - MPEG-4
- Full D1 resolution with interpolation & interlace
- Excellent Image Quality(Internally YC processing)
- Hybrid IP Camera feature(Video output CVBS Support)
- 3X Digital Zoom (optional)
- Intelligent Bit Rate Control for flexible network deployment
- Bi-directional audio communication- Up(ADPCM), Down(PCM)
- Standard PoE can be integrated on B/D (IEEE 802.3af)(Optional)
- Wifi supportable 802.11b/g
- MPEG4+JPEG dual streaming
- WDR-Sony(222SB), Pixim(222SB)

iCanView232(W)

MPEG-4 Box type IP Camera

- Superior Video Compression - MPEG-4
- Full D1 resolution with interpolation & interlace
- Excellent Image Quality(Internally YC processing)
- Hybrid IP Camera feature(Video output CVBS Support)
- 3X Digital Zoom (optional)
- Intelligent Bit Rate Control for flexible network deployment
- Bi-directional audio communication- Up(ADPCM), Down(PCM)
- Standard PoE can be integrated on B/D (IEEE 802.3af)(Optional)
- Wifi supportable 802.11b/g
- MPEG4+JPEG dual streaming
- WDR-Sony(222SB), Pixim(222SB)

iCanView240/250

Outdoor type

Indoor type

MPEG-4 High Speed dome outdoor/indoor IP camera

- World Most Silent Speed Dome IP Camera
- 1/4 " Sony Ex-view CCD
- Superior Video Compression - MPEG-4
- Filter Changeable Type Day & Night
- 18x,26x 36x/ Super HAD, Samsung 23x, 30x selection
- Full D1 resolution with interpolation & interlace
- Up to 432x Zoom (36x Optical with 12x Digital zoom) Selectable
- Virtual System Controller
- Intelligent Bit Rate Control for flexible network deployment
- Bi-directional audio communication- Up(ADPCM), Down(PCM)
- MPEG4+JPEG dual streaming
- IP66 water-resistant(iCanView 240)

iCanView260

MPEG-4 Vandal Proof Dual CCD IP Camera

- Superior Video Compression - MPEG-4
- Full D1 resolution with interpolation & interlace
- Intelligent Bit Rate Control for flexible network deployment
- Vandal-Proof aluminum & polycarbonate casing
- Two CCDs (Color CCD for day and B/W CCD for night)
- The same sensitivity as B/W Ex-view CCD. 0.003 lux.
- 4-9mm or 9-22mm Vari-focal Lens with IR-LED (Day/Night, 0 Lux (When IR LED On))
- 32 LEDs, IR LED's Visibility Range : 12 meter
- Generally, indoor 25 meter / outdoor 15 meter range
- Heater is optional (iCanView260H)

iCanView262

MPEG-4 Vandal Proof IP Dome Camera

- Superior Video Compression - MPEG-4
- Full D1 resolution with interpolation & interlace
- Excellent Image Quality(Internally YC processing)
- Increased TVL (550TVL(262++))
- True Day & Night (mechanical removable IR-filter)
- WDR-Sony(222SB), Pixim(222SB)
- MPEG4+JPEG dual streaming
- Hybrid IP Camera feature(Video output CVBS Support)
- Standard PoE can be integrated on B/D (IEEE 802.3af)(Optional)
- IR LED Ready (optional)
- Intelligent Bit Rate Control for flexible network deployment
- Bi-directional audio communication- Up(ADPCM), Down(PCM)

iCANTEK Internet Communication & Network Technology
icantek
13F, KINS Tower 25-1 Jeongja-Dong, Bundang-Gu, Seongnam-City, Kyonggi-Do 463-811 Korea
TEL : +82-31-711-7575 FAX : +82-31-711-7798
E-mail : icantek@icantek.com

iCanView270

MPEG-4 Vandal Proof Mini Speed IP Dome Camera

- Superior Video Compression - MPEG-4
- 1/4"Sony Super HAD CCD, 410K
- 100x Zoom(10x Optical with 10x Digital zoom)
- Clear image of 530TV line(B/W:580TV line)
- Day&Night with ICR
- 360 degree continuous rotation
- Noiseless low light image with SDNR
- IP66 water-resistant
- 8 Programmable group tours, 8 patterns (each one consisting of up to 60 preset steps with different steps), 165 Preset position
- Max. 200 degree/sec Pan & Tilt speed
- Virtual System Controller
- Support both interpolation and interlace
- MPEG4+JPEG dual streaming

iCanView280

Dual CCD IP Camera (weather proof)

- Superior Video Compression - MPEG-4
- Full D1 resolution with interpolation & interlace
- Intelligent Bit Rate Control for flexible network deployment
- 70 LEDs, IR LED's Visibility Range
  : 30 meter, Generally, indoor 60 meter / outdoor 50 meter range
- Two CCDs (Color CCD for day and B/W CCD for night)
- The same sensitivity as B/W Ex-view CCD. 0.003 lux.
- 4-9mm or 9-22mm Vari-focal Lens with IR-LED
- MPEG4+JPEG Dual Stream
- Heater is optional(iCanView280H)

iCanView290PT

IR Mini Dome with P/T IP Camera

- Superior Video Compression - MPEG-4
- Full D1 resolution with interpolation & interlace
- Intelligent Bit Rate Control for flexible network deployment
- MPEG4+JPEG Dual Stream
- Half duplex audio communication (internal MIC & Speaker(1W))
- Remote PT control (Pan : 120, Tilt : 72 degree)
- 12 LEDs, IR LED's Visibility Range : 15meter (850nm, 30)
- UPnP
- Proprietary PoE (Power over Ethernet)/ PLC adaptor
- Option : WiFi (802.11b/g), NAND flash 1G for recording, Li-ion BAT(1 hour), NTSC/PAL, 410K pixels

iCanView320(Dome)/330(Box)

H.264 Megapixel IP Camera

- Superior dual video compression - H.264/ MJPEG
- Max 30 frames/sec @ 1280(H) x 1024(V)
- Superior Progressive Scan type 1.3Mega Pixels CCD
- Various Cropped resolution support
  - D4(720P)/ XGA/ SVGA/ Full D1(PAL/ NTSC)/VGA/ CIF/ QVGA
- Multi profile: Compression type/ Res./ Frame rate/ Video Rate
- Hybrid IP Camera feature (CVBS output)
- Digital Zoom In/ out : Digital PTZ support from Viewer
- Steaming on Event without live streaming. (Pre alarm)
- Unicasting/ Multicasting support
- H.264+ Motion JPEG Dual Stream and Selectable
- Wide range of network protocols supported
  - TCP/IP, ARP, ICMP, HTTP, SMTP, FTP, DHCP, RTP, RTSP, SDP, PPPoE, SNMP, UPnP

Portable DVR

LightCam DVR

Portable, Recordable DVR

- Superior Video Compression - MPEG-4
- All in one recordable, portable DVR (Recording + Camera + Flash light)
- High powered white LED flashlight
- New compact design using precision tooled aluminum housing
- Adjustable recording resolution (320 x 240 or 160 x 120)
- Recording speed (1~15fps)
- 1 channel audio input to recording
- built-in rechargeable batteries (3.7V/4400mA*2)
- Durable battery life time: Full function 2.5 hour(Light, Rec.)
- Very Robust against unpredictable weather and shork
- Can be used during day and night
- Supports snapshot and continuous recording
- Playback, rewind, pause, still play, screen capture & mailing and more (using browser software)

iCANTEK Internet Communication & Network Technology
icantek
13F, KINS Tower 25-1 Jeongja-Dong, Bundang-Gu, Seongnam-City, Kyonggi-Do 463-811 Korea
TEL : +82-31-711-7575 FAX : +82-31-711-7798
E-mail : icantek@icantek.com

ioi cam mmp100dn

IP Camera with built in video analytics

The mmp100dn is a Multi-Megapixel sensor surveillance camera with built-in stand-alone video analytics and Picture in Picture (PIP) capabilities.

The mmp100dn Multi-Megapixel sensor is able to zoom-in (81x) to focus on details while maintaining the Field of View (FOV) in the background.

The mmp100dn analyzes the captured video signal to alarm and notify of people, vehicles and objects that cross a perimeter, enter a pre-defined region, are left behind, or are removed from a scene. Users can define what and the region to detect with customizable rules and criteria.

Upon detection, the mmp100dn camera zooms in on the detected object and displays it in the PIP window. Users can configure what will be shown during detection such as first/last or all detected objects.

The mmp100dn is a small self-sustained camera that does not rely on additional components for video analysis.

The mmp100dn includes an Image Quality Enhancer designed to optimize the captured video signal to achieve maximum detection capabilities while maintaining an extremely low false alarm rate.

As part of the ioimage intelligent video cameras (ioicam) series, the mmp100dn features both analog and IP streaming (MPEG-4) video outputs, enabling hybrid connectivity to both legacy and network based (IP) CCTV networks.

The camera can be configured via a standard web browser and takes less than five minutes to setup.

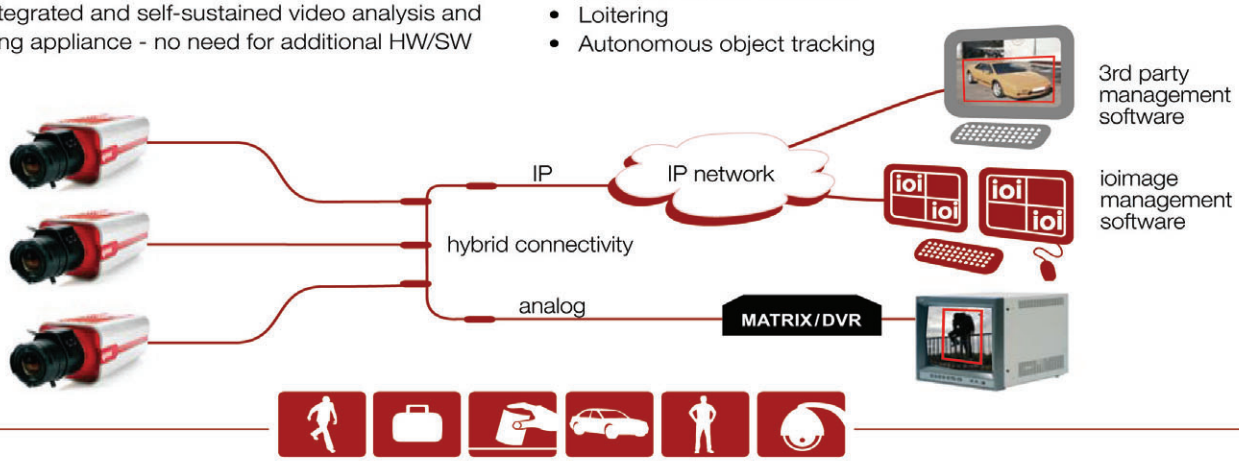
Features

- Fully integrated and self-sustained video analysis and encoding appliance - no need for additional HW/SW
- Real time video analysis (DSP based)
- High probability of detection, low false alarm rate
- 5 minutes setup process
- Multiple detection rules
- Automatic actions can be triggered upon detection
- Integrated scheduler
- Integrated HTTP Server for live view and configuration
- Hybrid video output (Analog & IP streaming MPEG-4)
- Integrates with existing analog equipment (analog monitors, DVR) for retrofitting existing installations
- Predefined scene presets
- Picture In Picture capabilities shows selected region, full FOV or first/last/all detected objects
- Sensor - 1/2-Inch CMOS 3-Megapixel
- Color/ Black & White Hybrid Analog/IP camera
- Dynamic Range 61dB
- Automatic image quality enhancer for best detection
- IR cut filter: auto/manual
- Backlight compensation
- Auto/Manual White Balance
- AGC/AE
- Auto Iris Control (DC)
- NTSC or PAL
- CS Lens Mount

Detection Types:

- Intrusion Detection:
  - Regional Entrance
  - Tripwire
  - Fence Trespassing
- Unattended Baggage Detection
- Object Removal Detection
- Stopped Vehicle Detection
- Loitering
- Autonomous object tracking

PiP Detection



ioimage intelligent video appliances™
3 Maskit St., Herzliya, 46733, Israel
TEL : +972-9- 9546003 FAX : +972-9-9546004
www.ioimage.com E-mail : sales@ioimage.com

ioi cam mmp100dn Specifications

	mmp100dn
Channels	
Number of Intelligent Video Analysis Channels	1
Analog Video Output	
TV Standard	Composite 1Vp-p – NTSC or PAL
Picture in Picture	Supported
Physical Connector	1x BNC 75Ω
Digital Video Output	
IP Video Streaming	MPEG4 SP
Max Resolution per Channel	4CIF (including Picture in Picture)
Frame Rate	Up to Full Frame Rate
Bit Rate	CBR (128Kbps - 4Mbps)
Network	
Ethernet (IEEE 802.3/802.3U)	1x Ethernet RJ-45 Interface
Services and Protocols	TCP/IP, UDP/IP, HTTP, SMTP, DHCP, DNS, SNTP
Video Streaming	RTP/RTSP
Alarms / Commands	TCP/IP
I/O Interface	
Serial - RS-232 / RS-485	None
Alarm Input	1x Dry Contacts
Relay Output	1x Relay Output (rated load 0.3A@125VAC/1A@30VDC)
Power Source	
Voltage	12VDC/24VAC
Power over Ethernet (PoE)	Supported (IEEE 802.3af)
Power Consumption	9W
Physical Dimensions	
Dimensions (mm)	72 x 60 x 149 mm (WxHxD)
Dimensions (inches)	2 13/16" x 2 11/32" x 5 27/32" (WxHxD)
Environmental Specifications	
Operating Temperature	0° to 50° C
Operating Humidity	5% to 95% (Non-Condensing)
Certifications	
Safety	UL, CE
Electromagnetic Interference (EMC)	FCC Part 15 Subpart B, Class A CE - Class A

ioimage intelligent video appliances™
3 Maskit St., Herzliya, 46733, Israel
TEL : +972-9- 9546003 FAX : +972-9-9546004
www.ioimage.com E-mail : sales@ioimage.com

IP Speed Dome Camera (PMI Series)

Key Points

Motion Tracking
Hardware based object Tracking & Intelligent Tracking Algorithm/ No interference with PTZ Motion/ Tolerate to wide range of object speed/Robust against weather (swaying leaves, snow, rain…)/ Home on inactivity/Tracking priority (the bigger the higher)/Adjustable Sensitivity

Virtual Joystick
The PTZ speeds are proportional to how much you deviate the knob from the center. No need to change PTZ speed frequently. Control PTZ more instinctively and quickly. Virtual Joystick is inspired by real 3-Axis Joystick.

Auto Map Generation
After installing PTZ, make camera to generate the Scenery Map autonomously. It will process and stitch a series of pictures to make one overall Scenery map. Using Scenery map, you can quickly switch one place to another. By drawing a bow on the map, PTZ will move to the center of the box as well as adjust zoom ratio to match the box.

Motion Detection
Hardware based notion detection. Sector Masking on 25x16 Grid Matrix to assign Zone. Intruder Motion detection just for Selected Sectors. Activate Various actions: Alarm out/ Play wave file/ Video recording/ e-mailing

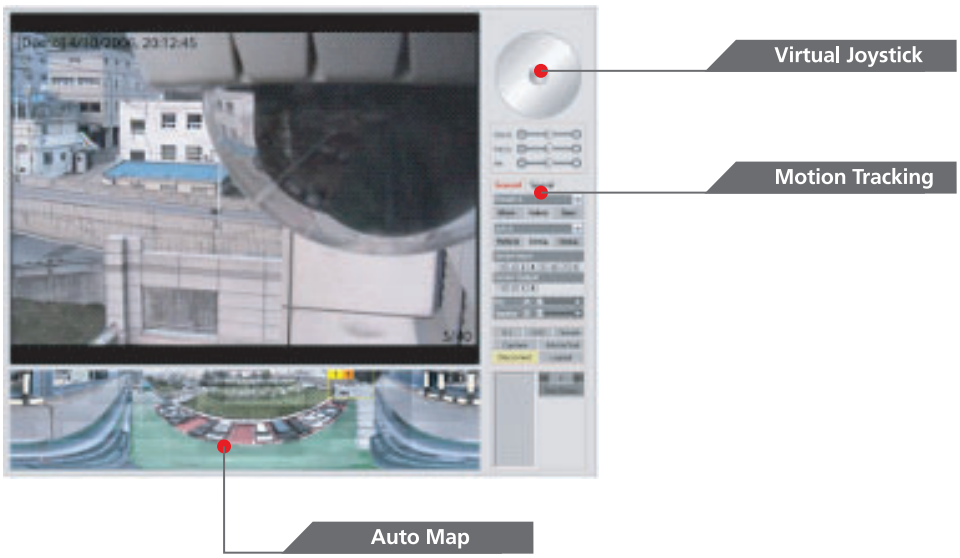
Micro-Step Technology
Due to the Micro-stepping technology, one step angle is divided by 256.
Accordingly, high accuracy as well as ultra low sound noise (under 60dB) can be achieved. Micro-stepping technology enables ultra low speed down to 0.05°/s for high zoom operations.

Vector Driving
Utilizing Vector drive technology, Pan and Tilt motion is done with simultaneous and harmonious manner.

Vandal Proof Design
All housing is designed to withstand rugged environments. Aluminum die-casting enclosure and Poly Carbonate clear dome enables stable 24hours security tasks.

Weather Proof Design
Due to IP66 environment protection as well as built-in Fan & Heater, speed dome camera will serve you all the time regardless of rain, snow and storm.

Web Viewer



Intelligent IP Box Camera (PIC Series)

Camera Features

Day & Night by ICR
For increased sensitivity of image sensor efficiently, a mechanical actuator can shift infrared (IR) Cut filter to disengaged from image path automatically in the low light environment.

Up to 550 TV Lines
To meet your image quality options, Horizontal Resolution of image can be provided from 400 to 520 TV Lines by using appropriate DSP processor.

Video Intensifying
Utilizing Vector drive technology, Pan and Tilt motion is done with simultaneous and harmonious manner.

Wide Dynamic Range
This feature is effective when shooting images against the sun, or when shooting a very bright object.

Menu Driven Camera Feature Setup
Some model support OSD menu for setup Camera functions such as IRIS, Exposure, and etc.

IP Features

Dual Stream/ Dual Hardware Encoder
Owing to the dual H/W encoders, two independent streams with different settings of compression is provides. Dual Streaming makes it possible to combine seamless remote video monitoring using MPEG-4 with simultaneous transmission of high quality JPEG images to Network Video Recorder

Auto Frame Rate Control
From 1 to 30/25 fps, video frame rate is continuously controlled by observing video contents changes. This helps optimal use of network resources and enhanced efficiencies of both monitoring and recording.

Pre-Post Alarm Function
With a built-in Flash memory, the PIS-300 Series can store still images of pre/post alarm during couple of minutes when the motion detection or the sensor input trigger an alarm event. All of the pre/post-alarm images stored can be transferred to an FTP server for later viewing. In addition, the still image captured at the time of an alarm event can be sent to a designated e-mail address.

POE
Power over Ethernet (IEEE 802.3af) makes installation easier, cheaper and more secure since Power over Ethernet can take advantage of UPS (uninterrupted power supply), which provides back-up power in case of a power failure .

#611,Sunil Technopia, 440 Sangdaewon-dong, Jungwon-gu, Seongnam-Si Gyeonggi-do, Korea
TEL : +82-31-777-3462 FAX : 82-31-777-3463
www.probedigital.com E-mail : sales@probedigital.com

Anti-vandal IP Dome Camera (PID Series)

Camera Features

Motion Tracking
Day & Night by ICR
For increased sensitivity of image sensor efficiently, a mechanical actuator can shift infrared (IR) Cut filter to disengaged from image path automatically in the low light environment.

Up to 550 TV Lines
To meet your image quality options, Horizontal Resolution of image can be provided from 400 to 520 TV Lines by using appropriate DSP processor.

Video Intensifying
Utilizing Vector drive technology, Pan and Tilt motion is done with simultaneous and harmonious manner.

Wide Dynamic Range
This feature is effective when shooting images against the sun, or when shooting a very bright object.

Menu Driven Camera Feature Setup
Some model support OSD menu for setup Camera functions such as IRIS, Exposure, and etc.

IP Features

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H.264 IP Camera

High Performance H.264 realtime IP camera from the manufacturer of Magic Radar and HR Series Tibet H.264 IP camera meets the marketís need by applying up-to-date IP surveillance technology.

Features & Advantages

- High image quality using H.264 compression
- Up to 30 frames per second in VGA resolution
- Built-in hardware motion detection sensor with infra-Red sensor module
- Power over Ethernet support
- Data saving to SD Card as AVI format
- Detection unarmed by remote controller
- Video transmission protocol is compatible with Magic Radar, HR Series and i-CENíS Central Management Software

Specification	IP Camera
Operating System	Embedded Linux
Camera Module	1/3i Sony CCD, 380 TV Lines
Lens	4mm Fixed Lens, FS2.0
Angle of view	45 horizontal
Minimum illumination	0.3 Lux (40 IRE, F1.2)
Video Compression	H.264
Resolutions	VGA
Frame Rate	Up to 30fps
Image Quality	5 Level
Security	Multiple User access with Password Protection
Users	10 simultaneous users
Network	RJ-45 for Ethernet 10BaseT/100BaseTX
Sensor I/F	I/O Sensor processing, H/W Motion Detection Sensor, Infra-Red Sensor module
Speaker	1W
Storage	SD Card, Save as AVI format
Serial connection	RS232
USB	Host 1 Port
RTC	Real Time Clock
Controller	Remote Controller
Power	POE(Power Over Ethernet)
Operating conditions	-10 C ~ +50 C, 85% RH max
Web Server	Remote Setup
	Configurations
Software	IP Utility: IP Camera searching program
	Web Client
Supported protocols	HTTP, TCP, RTP, SMTP, SNMP, DHCP, UPnP, DDNS
Dimensions	72 X 120 X 40.9mm

Specification may change without any notice.

TRUEN

IP Camera-2

TCAM-251
H.264 dome Camera

- High quality H.264 video compression
- SONY 1/3" Supper HAD High-Resolution Color CCD
- Aluminum Die casting Rugged Vandal Proof Camera
- High Resolution of 530TV Lines
- Day & Night Capability with High Sensitivity of 0.002Lux
- f=4-9mm, F No 1.5 DC Auto Iris lens
- Hard Disk Saving with DNR Technology
- Easy operation by On Screen Display
- Up to 30 frames/sec High Speed Image Transmission
- WDR (Wide Dynamic Range) Supported
- Optional PoE support

TCAM-251IR

- High quality H.264 video compression
- SONY 1/3" Supper HAD High-Resolution Color CCD
- Aluminum Die casting Rugged Vandal Proof Camera
- High Resolution of 550TV Lines
- Day & Night Capability with High Sensitivity of 0.0002Lux with 18pcs of IR LED
- f=4-9mm, F No 1.5 DC Auto Iris lens
- Hard Disk Saving with DNR Technology
- Easy operation by On Screen Display
- Hardware based Stable Image Compression
- Up to 30 frames/sec High Speed Image Transmission
- WDR (Wide Dynamic Range) Supported
- Optional PoE support

PTZ IP Camera

TCAM-270L
10x PTZ IP Camera

- High quality of H.264 compression algorithm
- 1/4" Interline Transfer CCD
- x100 Zoom control (Optical x10, Digital x10)
- Lightning speed (Max.360°/sec) Smooth manual speed (Min.0.05°/sec)
- Endless 360°/sec Pan rotation
- Day & Night (IR Cut Filter)
- 128 preset positions with Alphanumeric labels
- 4 pattern, 8 swing and 8 group functions
- 4 privacy zones (spherical coordinates)
- Auto flip, Auto parking, power-up action
- Built-in sensor In/Out function (4 in)
- Built-in Fan/Heater
- IP66 weatherproof

TCAM-270M
26x PTZ IP Camera

- High quality of H.264 compression algorithm
- 1/4" SONY Ex-View CCD
- Smooth Motion at High Zoom Magnification Mode
- Endless 360° Pan Rotation
- X312 Zoom Control (Optical X26, Digital X12)
- Day & Night (IR Cut Filter) / WDR
- 128 Preset Positions with Alphanumeric Labels
- 4 Pattern, 8 Swing and 8 Group Functions
- 8 Privacy Zones (Spherical Coordinates)
- Auto Flip, Auto Parking, Power-up Action
- Built-in Sensor In/Out Function (4 In / 2 Out)
- Small Size / Built-in Fan & Heater / Weather-Proof
- Vandal-Proof (Dome Cover : PC / Housing & Accessories : AL)

TCAM-270H
36x PTZ IP Camera

- High quality of H.264 compression algorithm
- 1/4" SONY Ex-View CCD
- Smooth Motion at High Zoom Magnification Mode
- Endless 360° Pan Rotation
- X432 Zoom Control (Optical X36, Digital X12)
- Day & Night (IR Cut Filter) / WDR
- 128 Preset Positions with Alphanumeric Labels
- 4 Pattern, 8 Swing and 8 Group Functions
- 8 Privacy Zones (Spherical Coordinates)
- Auto Flip, Auto Parking, Power-up Action
- Built-in Sensor In/Out Function (4 In / 2 Out)
- Small Size / Built-in Fan & Heater / Weather-Proof
- Vandal-Proof (Dome Cover : PC / Housing & Accessories : AL)

TCAM-270W
30x PTZ IP Camera

- High quality of H.264 compression algorithm
- 1/4" SONY Super HAD CCD
- ø160mm (ø4-5/16") diameter Poly Carbonate dome cover, sized all-in-one color camera
- IP66 environmental structure
- High quality images with 540TV lines (Color) / 570TV lines (B/W)
- Optical 30x zoom (Maximum 99mm focal length)
- IR cut filter removable Day / Night
- 8 zones of image masking for Privacy
- Max. 380°/sec Panning speed (preset recall speed)
- Up to 248 programmable preset positions
- Up to 8 programmable Tours
- 4 memorized user control patterns up to 240 seconds (speed and position, lens controls)
- 4 alarm inputs and 2 outputs can be programmed
- Auto Flip function
- AC24V, 1.0A, AC24V 3A (with Heater)

▪ IP CAMERA

Features

- MPEG4 D1 Full Frame Network Video Encoder
- Multi Codec Support: M-JPEG, MPEG4
- RTSP/RTP - based Interface
- De-interlacing in Hardware Encoding Engine
- Video Stream Encryption
- Text OSD Support (Inserted before Compression)
- PoE (Power over Ethernet): Support (Option)
- Network: 10/100 Fast Ethernet
- DDNS(Dynamic Domain Name Service) Server Support
- Network Connection: Client Program, Recorder Program, Internet Explorer

	ESIPC1100	ESIPC3100	ESIPC3500	ESIPC4100-I	ESIPC4100-O	ESIPC4500	ESIPC5100
Picture							
Description	Standard Box	Indoor Dome	Vandal Proof	Indoor PTZ	Outdoor PTZ	Vandal Proof Outdoor PTZ	Indoor PTZ
CCD Type / Size	Sony 1/3" Super HAD CCD			Sony 1/4" Super HAD CCD			
Lens	Not Supplied	4~9mm Vari-focal Auto IRIS		25X Optical(3.8~95mm), 23X Optical(3.8~87.4mm)			3.8~38mm(10x)
Digital Zoom	N / A			10X			
PTZ	N / A			360°		0° ~ 355°	360°
Video Compression	M-JPEG & MPEG4 (Selectable per Channel)						
Resolution(NTSC/PAL)	720 X 480, 704 X 480, 352 X 240 / 720X576, 704 X 576, 352 X 288						
Compression FPS	30/25 fps@D1						
Audio Input / Output	1 / 1 CH						
Audio Compression	G.711						
PoE	Support(Option)			N / A			
Digital Input / Output	1 / 1 CH			2 / 1 CH			
PTZ Port	RS-485, RS-232						
Protocol	SNTP, DHCP, UDP, TCP, RTP, RTSP (Multicast)						
Power Source	12VDC 1A	12VDC 700mA		24VAC 1A		24VAC 2A	12VDC 1A
Operating Temperature	0℃ ~ 60℃ (32°F ~ 140°F)						
Storage Temperature	-20℃ ~ 60℃ (-4°F ~ 140°F)						
Humidity	Up to 85% RH						
Dimension	68(W)x74(H)x133(D)mm	135(W)x115(H)mm	140(W)x112(H)mm	Ø 137.3 x 206(D) mm		Ø 273,8x296,5(D)mm	Ø 164x140(D)mm
Weight	343 g	868 g	1780 g	1780 g		4580 g	1480 g

TRUEN

Total solution for network video surveillance with high quality of H.264 algorithm

H.264 compression algorithm solution

Megapixel IP Camera
Megapixel Encoder/Decoder
D1 Video Server
IP Camera
IP PTZ Camera
Software

Megapixel IP Camera

TCAM-530
2.0 Megapixel IP Camera

- H.264/MJPEG compression
- 2 .0 Magapixel 1/2.5" CMOS Image sensor
- Max full HD (1920x1080 30p) video with progressive scan
- Video bitrate : 32kbps ~ 8Mbps
- 10/100M Ethernet network interface
- 10x optical zoom lens built-in (f=4.5 ~ 45.0mm, F 1.8)
- 1 channel audio in/out (mono, line in/out)
- Serial data bandwidth : 2,400bps ~ 115,200bps
- Protocols : TCP/IP, Multicast, HTTP, SMTP, FTP, DHCP, DNS, Dynamic DNS, RTP, RTSP
- Live video HDMI interface
- SD card interface for storage
- RS485 terminals

TCAM-531
1.3 Megapixel IP Camera

- H.264/MJPEG compression Algorithm
- 1.3Megapixel 1/3" SONY Progressive CCD Image Sensor
- Video bitrate : 32kbps ~ 8Mbps
- 10/100M Ethernet network interface
- Serial data bandwidth : 2,400bps ~ 115,200bps
- Protocols : TCP/IP, Multicast, HTTP, SMTP, FTP, DHCP, DNS, Dynamic DNS, RTP, RTSP
- 1 channel audio in/out (mono, line in/out)
- WDR (Wide Dynamic Range) Supported

TRUEN Co., Ltd.
705 ACE Techno Tower VIII, 191-7, Guro 3-dong, Seoul Korea (152-780)
TEL : +82-2-2025-7733 FAX : +82-2-2025-7735
www.truen.co.kr E-mail : sales@truen.co.kr